



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Adams Flea & Tick Indoor Fogger**

Synonyms

- 00502204; 100505023; 100512407; 100523719; EPA Reg. No.: 2724-705-270; Etofenprox IGR Fogger II

Product Description

- White aerosol spray.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Insect growth regulator

Restrictions on use

- Keep out of the reach of children. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and flame. Use in well ventilated area. Do not take internally. Do not inhale.

Details of the supplier of the safety data sheet

Manufacturer

- Farnam Companies, Inc.
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

Emergency telephone number

Manufacturer

- 1-800-234-2269

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - Outside the US collect calls accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Aspiration 1
Flammable Aerosols 2
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Eye Mild Irritation 2B
Compressed Gas
Skin Irritation 2

Label elements

OSHA HCS 2012

DANGER

- Hazard statements** • Flammable aerosol
 May cause drowsiness or dizziness
 May be fatal if swallowed and enters airways
 Causes eye irritation
 Contains gas under pressure; may explode if heated
 Causes skin irritation

Precautionary statements

- Prevention** • Use only outdoors or in a well-ventilated area.
 Avoid breathing dust, fume, gas, mist, vapors and/or spray.
 Do not spray on an open flame or other ignition source.
 Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 Pressurized container: Do not pierce or burn, even after use.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wash thoroughly after handling.
- Response** • IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
 Call a POISON CENTER or doctor/physician if you feel unwell.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Do NOT induce vomiting.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation occurs: Get medical advice/attention.
 Take off contaminated clothing and wash before reuse.
- Storage/Disposal** • Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.

Other hazards**OSHA HCS 2012**

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients**Substances**

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Mixtures

Composition		
Chemical Name	Identifiers	%
Etofenprox	CAS:80844-07-1	0.5%

Pyriproxyfen	CAS:95737-68-1	0.1%
Tetramethrin	CAS:7696-12-0	0.4%
N-Octyl Bicycloheptene Dicarboximide	CAS:113-48-4	0.5%
Distillates (petroleum), hydrotreated light	CAS:64742-47-8	10%
Butane	CAS:106-97-8	17.29%
Propane	CAS:74-98-6	17.71%
Other ingredients	NDA	Balance

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

- IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Ingestion

- IF SWALLOWED: Aspiration hazard - do NOT induce vomiting. Call a physician or poison control center for treatment advice.

Most important symptoms and effects, both acute and delayed

- Aspiration hazard, causes skin irritation, may cause dizziness or drowsiness if inhaled, causes eye irritation. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Contains petroleum distillate vomiting may cause aspiration pneumonia. Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
 - SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

- Unsuitable Extinguishing Media**
- Avoid heavy hose streams.

- Firefighting Procedures**
- Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.
 - As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- At temperatures above 130°F, container may rupture. Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.
- Hazardous Combustion Products**
- Thermal decomposition may produce toxic vapors/gases.
- Advice for firefighters**
- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Approach leaking or punctured pressurized containers cautiously. Isolate leaking container from all sources of ignition. Avoid breathing fumes. Ventilate enclosed areas.
- Emergency Procedures**
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid unnecessary personnel and equipment traffic in the spill area. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Ventilate closed spaces before entering.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Keep away from fire, sparks and heated surfaces.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not smoke while using this product. Do not allow product to freeze. Contents under pressure, do not crush, puncture or incinerate. Avoid breathing fumes.

Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a cool, dry place. Keep out of reach of children. Keep away from sources of ignition – No Smoking. Store in a well-ventilated place. Keep container tightly closed. Keep at a temperature not exceeding 120 F. Keep from freezing. NFPA Aerosol Classification: Level 1. Store locked up.

- Incompatible Materials or Ignition Sources**
- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering Measures/Controls

- Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment**Pictograms****Respiratory**

- In case of insufficient ventilation, use NIOSH approved respiratory protection.

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Long sleeve shirt, long pants, shoes, and socks should be worn.

Environmental Exposure Controls

- No data available

Other Information

- See product label for specific use PPE instructions.

Section 9 - Physical and Chemical Properties**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Aerosol	Appearance/Description	Misty white aerosol spray.
Color	White	Odor	Moderate
Aerosol Type	Spray	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	No data available	Specific Gravity/Relative Density	0.8 g/ml
Water Solubility	No data available	Viscosity	No data available
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	35 %
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Heat of Combustion (ΔH_c)	17.4 kJ/g
Flame Extension	0 in	Flammability (solid, gas)	Flammable aerosol.
Environmental			
Octanol/Water Partition coefficient	No data available		

Section 10: Stability and Reactivity**Reactivity**

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Flammable, aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

Conditions to avoid

- Heat, sparks, open flame. Excess heat.

Incompatible materials

- Heat, strong acids, strong bases and oxidizing agents.

Hazardous decomposition products

- Thermal decomposition may produce toxic vapors and/or gases.

Section 11 - Toxicological Information

Information on toxicological effects

	CAS	
Adams Flea & Tick Indoor Fogger	NDA	Acute Toxicity: Ingestion/Oral-Rat, adult female LD50 • >5000 mg/kg; Inhalation-Rat LC50 • >2.07 mg/L; Skin-Rat LD50 • >5000 mg/kg; Irritation: Eye-Rabbit • Mild irritation; Skin-Rabbit • Mild irritation

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)**
- May affect the central nervous system. Symptoms may include dizziness or drowsiness.
- Chronic (Delayed)**
- No data available

Skin

- Acute (Immediate)**
- May cause mild irritation.
- Chronic (Delayed)**
- Prolonged and repeated exposure to Etofenprox can cause skin irritation.

Eye

- Acute (Immediate)**
- Causes eye irritation.
- Chronic (Delayed)**
- No data available

Ingestion

- Acute (Immediate)**
- Aspiration Hazard - may be fatal if swallowed and enters airways.

Chronic (Delayed)	• No data available
Mutagenic Effects	• Etofenprox has been found negative for mutagenicity potential using the Ames test, chromosomal aberration and micronucleus test methods. Pyriproxyfen is not a mutagen. Tetramethrin is not a mutagen. n-Octyl bicycloheptene dicarboximide was concluded to be negative in the CHO chromosome aberration assay.
Carcinogenic Effects	• No component in this product present at 0.1% or greater is listed by IARC, OSHA or NTP.
Reproductive Effects	• Etofenprox did not produce teratogenic or reproductive effects in laboratory experiments. Pyriproxyfen is not a teratogen. Tetramethrin is not a teratogen. n-Octyl bicycloheptene dicarboximide has been tested and is not a reproductive toxin.

Section 12 - Ecological Information

Toxicity

Components		
Etofenprox (0.5%)	80844-07-1	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Sheepshead minnow</i> >0.0165 mg/L [Acute] 96 Hour(s) LC50 <i>Rainbow Trout</i> 0.0027 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0008 mg/L [Acute] 96 Hour(s) LC50 <i>Mysid shrimp</i> 0.0000188 mg/L [Acute] NOEC Water Flea <i>Daphnia magna</i> 0.00017 mg/L [Chronic]
Pyriproxyfen (0.1%)	95737-68-1	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow trout</i> >0.325 mg/L [Acute] 96 Hour(s) LC50 <i>Blue gill</i> >0.27 mg/L [Acute] 96 Hour(s) LC50 <i>Sheepshead minnow</i> >1.02 mg/L [Acute] LC50 <i>Rainbow trout</i> 0.09 mg/L [Chronic] Aquatic Toxicity-Crustacea: Water Flea <i>Daphnia magna</i> 0.0054 mg/L [MATC] [Chronic] 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.4 mg/L [Acute] 96 Hour(s) LC50 <i>Mysid shrimp</i> >0.092 mg/L [Acute]
Tetramethrin (0.4%)	7696-12-0	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow trout</i> 0.0037 mg/L [Acute] 96 Hour(s) LC50 <i>Blue gill</i> 0.016 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 <i>Daphnia magna</i> 0.11 mg/L [Acute]
N-Octyl Bicycloheptene Dicarboximide (0.5%)	113-48-4	Aquatic Toxicity-Fish: LC50 1.4-2.4 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 <i>Daphnia magna</i> 2.3 mg/L [Acute]

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

Potential Environmental Effects

- No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not puncture or incinerate. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	UN1950	Aerosols Limited quantity	2.1	None	Not Applicable
IMO/IMDG	UN1950	Aerosols	2.1	None	Not Applicable
IATA/ICAO	UN1950	Aerosols, flammable	2.1	None	Not Applicable

Special precautions for user • None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, SARA Title III Section 313

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.



Precautionary Statements • KEEP OUT OF THE REACH OF CHILDREN.

Hazards to Humans and Domestic Animals • Breathing spray mist may be harmful.

First Aid

IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

Note to Physician/Veterinarian: Contains petroleum distillate. Vomiting may cause

aspiration pneumonia.

**Physical or Chemical •
Hazards**

Extremely Flammable Ingredient. This product contains an extremely flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on this label very carefully. Extremely flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130° F. may cause bursting.

Inventory		
Component	CAS	TSCA
Butane	106-97-8	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
Etofenprox	80844-07-1	No
N-Octyl Bicycloheptene Dicarboximide	113-48-4	No
Propane	74-98-6	Yes
Pyriproxyfen	95737-68-1	No
Tetramethrin	7696-12-0	No

United States

Environment

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Propane	74-98-6	Not Listed
• Butane	106-97-8	Not Listed
• Etofenprox	80844-07-1	Not Listed
• Pyriproxyfen	95737-68-1	Not Listed
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• N-Octyl Bicycloheptene Dicarboximide	113-48-4	Not Listed
• Tetramethrin	7696-12-0	1.0 % de minimis concentration

Section 16 - Other Information

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Preparation Date • 28/March/2016

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